VARYTEC

Manual

Strobe Xenon 1500DMX

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1. Safety instructions

- This device is suitable for indoor use (not outdoors) only.
- All modifications to the device will void the warranty.
- Repairs are to carry out by skilled personnel only.
- Use only fuses of the same type and original parts as spare parts.
- Protect the unit from rain and humidity to avoid fire and electric shocks.
- Make sure to unplug the power supply before opening the housing.

1.1. FOR SAFE AND EFFICIENT OPERATION

Be careful with heat and extreme temperature

Avoid exposing it to direct rays of the sun or near a heating appliance.

Not put it in a temperature bellow 32°F /0°C, or exceeding 104°F /35°C.

Keep away from humidity, water and dust

Do not place the set in a location with high humidity or lots of dust.

Containers with water should not be placed on the set.

Keep away from sources of hum and noise

Such as transformer motor, tuner, TV set and amplifier.

To avoid placing on un-stable location

Select a level and stable location to avoid vibration.

Do not use chemicals or volatile liquids for cleaning

Use a clean dry cloth to wipe off the dust, or a wet soft cloth for stubborn dirt.

If out of work, contact sales agency immediately

Any troubles arose, remove the power plug soon, and contact with an engineer for repairing, do not open the cabinet by yourself, it might result a danger of electric shock.

Take care with the power cable

Never pull the power cable to remove the plug from the receptacle, be sure to hold the plug.

When not using the device for an extended period of time, be sure to disconnect the plug from the receptacle.

Important: Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems. Make sure the electrical connection is carried out by qualified personnel. All electrical and mechanical connections have to be carried out according to the European safety standards.

1.2. Further safety instructions

IMPORTANT

Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems. Make sure the electrical connection is carried out by qualified personnel. All electrical and mechanical connections have to be carried out according to the European safety standards.

IMPORTANT
Keep away from water and humidity!
Make sure to unplug the power supply before opening the housing!

Please read careful through this manual before the first start-up.

All persons which are entrusted with installation, start-up, operation, maintenance and repair of this device have to:

- Show a corresponding competence.
- Follow the lines of this manual.
- Face this manual as part of the product.
- Keep this manual over the lifetime of the product.
- Pass this manual to new owners of the device.
- Download the latest version of the manual.

Safety-related red flags

IMPORTANT!
Handle with the dangerous electric voltages carefully.
With this voltage there is the danger to get a life-threatening electric shock.

Always observe

After taken the device from a cold room to a warm room, it is not allowed to activate the device.
It is possible that thereby emerged condensed water damages the device. Activate the device not until it reached ambient temperature.

Prevent that the power cable has contact with other cables. Handle carefully with power cables and power connections. Don't touch them with clammy hands.

Make sure that the voltage which is to connect not exceeds the specified values.

Make sure that it isn't possible to squeeze or damage the power cable with sharp edges. Assure yourself with regular checks that there are no damages to the power cable or the device.

Don't switch the device in short time intervals (e.g. in second cycle) on or off.

Keep away children and laymen off the device.

Health risk!
Don't look directly into the light source. At certain circumstances it is possible that some people get epileptic seizures. This is especially true for individuals whose epilepsy was determined by a doctor. The device causes (UV) radiation. Therefore, keep a safe distance (at least 1.5m) to people and objects and operate it never without the protective glass on the front page! By fast flashing, the risk of an epileptic seizure increases. Therefore do not install it in danger zones (such as stairs, exit routes ...). Point out the visitors before operating on the use of a strobe. Avoid prolonged flash sequences.

Designated use

This device was developed for professional use on stages, in discos, theatres etc. The device is only approved for a connection up to 230V 50/60 Hz AC voltage and only for indoor use.

Regular breaks during operation increase the lifetime of your device.

Avoid convulsions or any form of forceful impact during the installation or the start-up of the device.

Make sure that the device is not exposed excessive heat, humidity or dust at the place of installation. Take care that no cables are lying around. You would endanger your own safety and also the safety of a third party.

It is not allowed to operate or store the device in an environment in which spray water, rain, humidity or fog is expected. Humidity or very high atmospheric humidity could reduce the isolation of the device and could cause deathly electric shocks. If you use fog devices the device has not be exposed to a direct smoke jet. There has to be a safety distance of at least 0.5m between this device and the fog machine. Make sure that the saturation of the fog has to enable a visibility of at least 10m.

The ambient temperature has to be between 0°C and +40°C. Avoid direct sunlight and close proximity to heaters. You have also to attend it during the transport in closed motor vehicles.

You have to attend that with an ambient temperature von 40°C it is not allowed that the relative humidity exceeds 50%.
Operate the device not during thunderstorms. Surge voltages could destroy the device. Unplug the power supply during thunderstorms.

During the installation the use of the mounting bracket is obligatory.

Surrounding objects or surfaces should not be in contact with the device.

Make sure that during the installation and removal of the device the area below the place of installation is basically cordoned off. This also applies to implementation of service.

The device has basically been protected by a suitable safety.

Make familiar yourself with the functions of the device before start-up. People without the experience should not handle with the device. The most cause of functional disorder is inappropriate handling.

Do not use chemicals or volatile liquids for cleaning. Use a clean dry cloth to wipe off the dust, or a wet soft cloth for stubborn dirt.

For transport use the original packing or designated accessory to avoid damages during the transport.

For reasons of safety unauthorized changes are forbidden.

A usage of the device which differs from usages which are described in this manual can cause damages of the device. In that case the warranty expires. Additional you should notice that every differed usage is related with dangers and can cause e.g. an electrical short, fire, electric shock or crash.

Overhead installation

Danger of life!
You have to observe the regulations of BGV C1 (formerly VBG 70) and EN60598-2-17 Installations are to carry out by skilled personnel only.

The suspension devices have to be build and measured so they can withstand for an hour the tenfold of the payload without suffering a permanent detrimental deformation.

Basically installation has to be made by using a second separate suspension. This can be e.g. a suitable net. The second suspension must be designed and attached so no part of the installation can fall down in case of failure.

During construction, reconstruction and deconstruction unnecessary stay in the range of moving areas, on lightning bridges, under elevated work stations or any other danger zones is forbidden.

The operator is obliged to following safety-related and mechanical facilities:

- Before the first start-up or after critical changes before restarting it has to be checked by an expert.
- Review in the frame of the inspection test at least all four years by an expert. .
- Review by a qualified person at least once a year.

How to carry out the overhead installation:
In tidal fall you should install the device out of the lounge area of people

IMPORTANT! Overhead installation requires a high level of experience. This includes knowledge of calculating the payload, used installation material and safety inspections of the used material and the projector whereas the required experience is not limited to this. Do not try to carry out installation yourself under any circumstances if you are not qualified. Contact a professional installer. An inappropriate installation can lead to injuries and/or damaged properties.

It is not allowed to install the device in the grip area of people.

If the device may hang from the ceiling or from high beams, the use of truss systems is mandatory. The device may not be installed so it can swing freely in the room.

Please note: Crashing down items can cause serious injuries! Do not install the projector, if you doubt the safety of a possible installation form!

Before installation make sure that the mounting surface has the ability to carry the tenfold point load of the own weight of the device.

Mount the device with the mounting-bracket to your trussing system using an appropriate clamp.

During overhead installation the device must be always secured by a safety rope which is designed to hold the twelvefold weight of device. Only safety ropes with quick-release safety fastener elements may be used. Hang up the safety rope in the hole of the mounting bracket. Direct the rope over the

truss or an appropriate fastening point. Hang up the end in the fastening element and tie up the locking nut. A safety rope once exposed to failing load or damaged may not be used furthermore.

The maximum drop exceed must not exceed 20cm.

A safety rope once exposed to failing load or damaged may not be used furthermore.
Adjust the desired inclination angle via the mounting bracket and tighten the screw.

2. Introduction

Thank you for buying the **Strobe Xenon 1500DMX**. It is a powerful device.
For a successful installation and operation, please read this manual carefully.

3. Connections

3.1. Electrical connections

If you wish to change the power supply settings, see the chapter Appendix. Connect the fixture to the mains with the enclosed power cable and plug. The earth has to be connected.

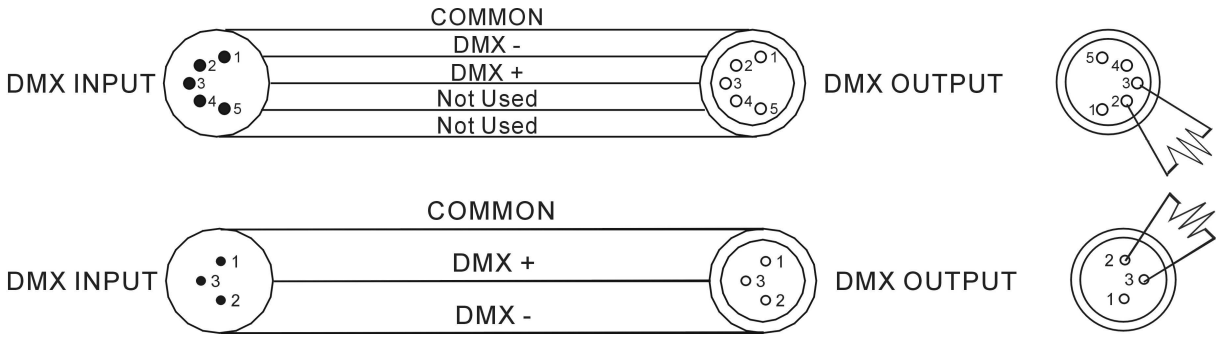
Cable (EU)	Cable (US)	Pin	International
Brown	Black	Live	L
Light blue	White	Neutral	N
Yellow/Green	Green	Earth	⏚

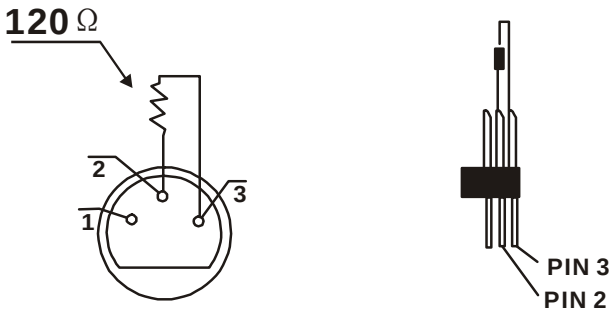
3.2. DMX connections

To make a DMX512 connection go ahead like it is described in the picture. Make sure that you use shielded cable. 3pole or 5pole XLR cables are suitable.
Important! After the last device the line has to be terminated. In order to do this you have to solder a 120Ω resistor between the pins Data + and Data -. You can solder this end resistor on a 3pin or 5pin XLR: Plug this adapter into the DMX output of the device.

3.3. DMX connection with terminator

Where the DMX cable has to run a long distance or the equipment is operated in an electrically noisy environment like a disco for installations, we recommend using a DMX terminator. This prevents corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR connector with a 120 Ω resistor between pins 2 and 3, which is then plugged into the XLR output socket of the last device in the series. Please look to the bottom drawings.





If you using a controller with 5 pins DMX output, you need to use a 5 to 3 pin adapter-cable.

4. Control

4.1. Manual mode

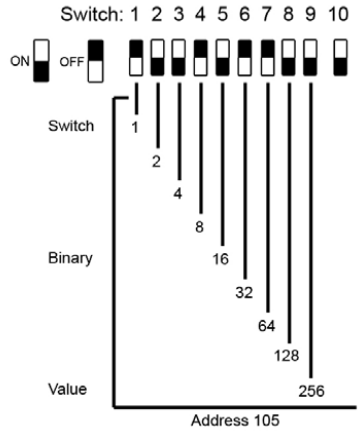
1. If you switch off the Dip-Switch 10 you get into the self test mode. Here you can choose between the AUTO mode and the manual mode. If you switch off the Dip-Switch 9 you are in the automatic mode. The Strobe flashes from 0-100% and again from 100-0%.
2. If you switch on the Dip-Switch 9 again you are in the manual mode. With the Dip-Switches 1-4 you can adjust the speed and with the Dip-Switches 5-8 you can adjust the dimmer.

Level	Dip switch 1 2 3 4	Speed
1		Slowest
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		Fastest

Level	Dip switch 5 6 7 8	Dimmer
1		Min.
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		Max.

4.2. DMX Modus

1. To get into the DMX, you have to switch on the Dip-Switch 10.
2. With the help of the Dip-Switches 1-9 you can set the required DMX address. The active Dip-Switches amount to the DMX address.



3. In the DMX mode the channels are as follows:

Channel 1	Speed
Channel 2	Dimmer

4. The DMX LED will begin to flash when there a DMX input signal.

5. Technical data

Power supply	
Voltage	AC180-240V, 50/60Hz
Power consumption max.	1800 W
Battery	Nein
Light source	
LM type	XOP1500 Xenon Flashtube
Power	1500 W
Number/Power	1/1500 W
Optics	
Flash rate	0-20 Flashes/s
Connections	
Current in	Schutzko
Current out	No
XLR in/out	3Pin
Controlling	
Sound-to-light	No
Automatic	Yes
Master-Slave	No
DMX512	2 channels
Hardware	
Protection class	IP20
Dimensions (L/B/H)	462x222x147mm
Weight	4,2kg

Importeur:

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